


U-HAUL® TRAILER USER INSTRUCTIONS

U-HAUL HOTLINE
1-800-528-0355
24 HOURS - 7 DAYS A WEEK


SAFETY ALERT SYMBOL


This safety alert symbol  precedes all the safety messages in these instructions. Safety messages alert you to possible hazards and instruct you on how to avoid or reduce the risk of injury.


WARNING


READ and **FOLLOW** all of these instructions and safety messages before operating the trailer. **DEATH, DISMEMBERMENT or SERIOUS INJURY** to you, your passengers, and others on the road may result if you do not follow these instructions. Make sure all drivers read and understand all these instructions.


Important Trailer Towing Information

 **PREVENT WHIPPING** by properly loading the trailer. Load 60% of the cargo weight in the front half of the trailer box. Loading heavier in the rear will cause the tow vehicle and trailer “combination” to begin **WHIPPING**, which is violent and uncontrollable sway. See page 3.


 **SIDE to SIDE MOTION (SWAY) THAT BEGINS** as you reach a certain speed, will likely become **WHIPPING** at higher speeds. If you notice sway beginning **SLOW DOWN IMMEDIATELY** by letting off the gas pedal. Then stop to reload the trailer heavier in the front as soon as possible.


 **IF WHIPPING or SWAY OCCURS, DO NOT** steer, **DO NOT** apply your brakes, and **NEVER** speed up. Let off the gas pedal and hold the steering wheel in a straight-ahead position.


 A “**combination disturbance**” is improper handling, whipping, sway, over-steering or other deviation of the tow vehicle or trailer from their intended path, due to one or more causes (improper loading, steering inputs, excessive speed, crosswinds, passing vehicles, rough roads, etc.). **IF A COMBINATION DISTURBANCE OCCURS, DO NOT** steer or brake. Steering or braking during a disturbance can cause a loss of control or crash. See page 3.


 If a **WHEEL GOES OFF THE PAVED ROADWAY, DO NOT** steer sharply and **DO NOT** brake. Let off the gas pedal and slow down below 25 mph. Then steer gradually back onto the roadway. Proceed with caution entering traffic.

Loading Your Combination


 **NEVER** exceed the trailer's maximum gross weight, which is posted inside the trailer. **Never** exceed a lower allowed gross weight and allowed cargo weight as listed on your rental contract.


 **NEVER** overload your tow vehicle. Do not exceed the gross vehicle weight rating (GVWR) and the gross axle weight ratings (GAWR), which are posted on a label inside the driver's door opening.


 **NEVER** load cargo on the outside of the trailer, or extend cargo out the rear of the trailer. Secure all cargo inside trailer. Unsecured cargo may (1) shift and cause dangerous **WHIPPING** or (2) be ejected and cause a roadway hazard.


 **DO NOT** transport hazardous materials, corrosives, explosives or flammables.

Slow Down When Towing


 **AVOID CRASHES** by slowing down. Reduce your speed from what you would normally drive without a trailer under similar road conditions. The **maximum speed is 55 mph** when towing a U-Haul trailer. Do not exceed any posted speed limit.


 **DRIVE DEFENSIVELY** – anticipate stops, brake early, and never follow closely.


 **BEFORE** going downhill, slow down and shift the transmission into a lower gear. **DO NOT RIDE BRAKES** on downgrades.


 Slow down for curves, adverse weather, hazardous road conditions, road construction and expressway exits.


Before Towing and on the Road


 Use the checklist at the end of these instructions before towing and while on the road.


 Make sure your tow vehicle is properly equipped and maintained. Be sure all tires are inflated properly.


 **ALWAYS** wear your seat belt. Be sure children are properly restrained.

 **DO NOT** drive when you are fatigued, sleepy or distracted. Avoid driving at night.

 **NEVER** use a cell phone when driving. If you need to use a cell phone, find a safe place to exit the roadway.

 **NEVER** drive under the influence of alcohol or any substance that might impair your vision, judgment or ability to control the vehicle.

 **NEVER** allow passengers to ride in the trailer. Passengers risk injury due to shifting cargo, asphyxiation and lack of collision protection.

 No open or soft-top sport utility vehicle is allowed to tow a U-Haul trailer, because in the event of a crash, these vehicles offer less collision and ejection protection.

EQUIPMENT

YOUR TOW VEHICLE

For occasional towing, your vehicle can tow any U-Haul trailer, as long as the loaded weight of the trailer does not exceed your vehicle's curb (empty) weight. Your vehicle can also tow any U-Haul trailer equipped with brakes, provided the curb weight of your tow vehicle is at least 80% of the loaded weight of the braked trailer.

Refer to the owner's manual, decal instructions or an authorized automotive dealer for any specific handling characteristics of your tow vehicle.

Changes made to your tow vehicle after it was manufactured can affect its ability to tow. These changes can include different tires, suspension changes, etc. Check your owner's manual or with an authorized automotive dealer to make sure any changes to your tow vehicle are approved. **DO NOT** tow the trailer if your tow vehicle has changes that are not approved.

Avoid driving on a compact spare tire any longer than necessary. Follow the vehicle manufacturer's instructions.

MAINTENANCE

Maintenance and condition of your tow vehicle's engine, transmission, steering, suspension, front-end alignment and tires may affect your vehicle's ability to tow the trailer. Have an authorized repair facility inspect and repair your vehicle **BEFORE** towing.

To find the towing capabilities of the engine, transmission and axles of your vehicle, refer to the owner's manual, or check with an authorized dealer.

TOWING EQUIPMENT REQUIREMENTS

Hitches

Hitches must be able to tow the weight of the trailer and its cargo. A U-Haul representative can advise you on the type of hitch required for your intended use.

Hitch Balls

Hitch ball sizes of 1-7/8 and 2 inches are acceptable with a U-Haul trailer coupler. A U-Haul representative can advise you on the correct ball size and weight rating for your trailer.

Other Hitch Systems

Weight distributing or sway control devices **ARE NOT USED** for towing U-Haul trailers. Towing a properly loaded U-Haul trailer does not require these devices. These devices may have a negative effect on vehicle handling and braking and may restrict the operation of the trailer coupling mechanism.

Lights and Mirrors

When towing a trailer, all lights must be operational. Your tow vehicle may require external mirrors on both sides. A U-Haul representative can advise you of the systems available if your vehicle is not properly equipped.

LOADING YOUR TOW VEHICLE

To find how much weight you are allowed to put in your tow vehicle:

Step 1: Find your tow vehicle's GVWR on the label inside the driver's door.

Step 2: Subtract the curb (empty) weight of your tow vehicle from the GVWR. Contact a U-Haul representative for help in finding the curb weight of your tow vehicle.

Step 3: Subtract 250 pounds from the answer in Step 2 if your trailer has 2 tires. Subtract 400 pounds from the answer in Step 2 if your trailer has 4 tires.

The answer in Step 3 is the amount of weight you can put in your tow vehicle. This weight includes driver, passengers, cargo and any additional equipment. If the rear of your tow vehicle seems low, reduce the load in the rear seat, trunk or cargo bed areas. Too much load in the rear can affect handling.

YOUR U-HAUL TRAILER

After a U-Haul representative has hooked up the trailer, it is important for you to inspect all connections before and during your trip. **U-Haul does not recommend that you detach and reattach the trailer, hitch ball, coupler, safety chains or light connectors, unless an emergency arises.** If you suspect or detect that something is wrong, contact the nearest U-Haul representative.

TIRE PRESSURE

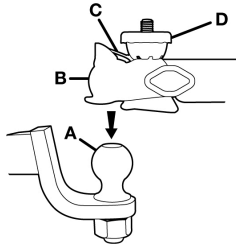
Set all tires to the proper pressure. Find the recommended **COLD** pressure on the tire sidewall, owner's manual, your vehicle's door decal or on the trailer decal. **DO NOT** put more pressure in the tire than is indicated on the tire sidewall. Tire pressures go up during driving. **DO NOT** let off this extra pressure.

INSPECT CONNECTIONS

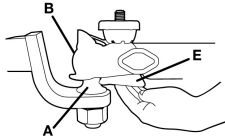
Check all connections at each stop. Make sure the hitch and hitch ball are securely attached to your tow vehicle and that the trailer coupler is properly connected to the hitch ball. Use the checklist at the end of these instructions.

COUPLER

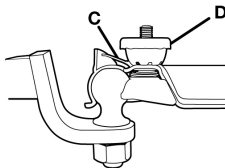
Push down on the latch (C) and fully loosen the hand-wheel (D) by turning counterclockwise. Lower the coupler (B) onto the hitch ball (A) as shown.



Check that the ball clamp (E) is positioned below the coupler (B). The coupler should completely cover and enclose the hitch ball (A).



Hand tighten the coupler by pushing down on the latch (C) while turning the handwheel (D) clockwise. At least 10 complete revolutions of the handwheel are necessary.



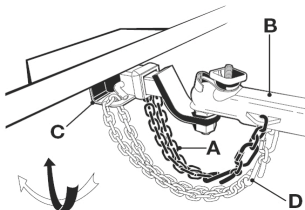
When the handwheel becomes tight, move the tow vehicle forward slightly or push rearward on the trailer to ensure that the hitch ball is properly seated inside the coupler. **Recheck that the handwheel is tight.**

SAFETY CHAINS

The purpose of the safety chains is to keep the trailer connected to your tow vehicle in the unlikely event the coupler comes off the ball or the ball comes off the hitch. Safety chains are attached to the trailer tongue and are equipped with connecting links or "S"-hooks on their free ends. **DO NOT** tow the trailer without the safety chains securely attached to the towing vehicle. **DO NOT** attempt to pull the trailer by the safety chains alone, unless this is necessary to get the combination off the roadway to a safe place.

The left chain (A) crosses underneath the trailer tongue (B) and hooks to the right side of the tow vehicle permanent hitch (C), frame or structure, or to the tow vehicle bumper brackets. Do not attach chains to the ball or to a ball mount that is removable. The right chain (D) hooks to the left side in the same manner. The connecting links or "S"-hooks can be placed through a link in the chain. Crossing the chains under the tongue allows the minimum amount of slack for turning.

The chains (A and D) need slack to allow your vehicle to make turns. Make sure these chains attach securely to your tow vehicle and do not drag on the roadway.



EMERGENCY BRAKE CHAIN

Trailers with brakes have a third chain, called the emergency brake chain (E). This chain applies the brakes automatically in the unlikely event of a separation of the trailer from the tow vehicle. Attach this chain to the tow vehicle permanent hitch, frame or structure, or to the bumper brackets. Use slightly less slack than your safety chains. *Slack is necessary to prevent the emergency brake from activating on turns or inclined driveways.*



LIGHTING CONNECTIONS

Make sure all tow vehicle and trailer lights function properly. The connecting wires need slack to allow your tow vehicle to make turns. Do not allow wires to drag on the roadway.

There are two types of lighting connectors on U-Haul trailers: the 4-way flat connector or the bullet connector. Identify which type your trailer has and follow the appropriate instructions below.

4-Way Flat

If your tow vehicle has a 4-way flat lighting system, connect the trailer lights by plugging into the tow vehicle connection plug. If your tow vehicle does not have a 4-way flat lighting connection system, your U-Haul representative will be able to instruct you on the connection steps for your vehicle.

Bullet Connector

If your tow vehicle is equipped to accept a bullet connector system, follow the instructions listed below. If your tow vehicle does not have a bullet connector system, your U-Haul representative will be able to instruct you on the connection steps for your vehicle.

The trailer has a separate lighting wire for the left and right sides. Check that the left trailer wire is attached to the left side vehicle connector. The right trailer wire must connect to the right-side vehicle connector.

The wire on each side of the tongue is made of two or three separate colored wires. On a trailer with two wires, the black wire (brake and turn signals) is plugged into the black connector. The white wire (running lights) is plugged into the white connector. The green wire (turn signal) is plugged into the green connector.

For a trailer that has three separate colored wires on each side, the black wire (brake lights) is plugged into the black connector. The white wire (running lights) is plugged into the white wire connector. The green wire (turn signal) is plugged into the green connector.

When the trailer has three wires per side and the tow vehicle only has two connectors per side, do not attach the green (turn signal) wire. The turn signals will work through the black wires.

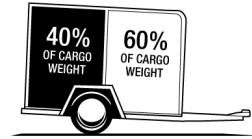
LOADING YOUR TRAILER

⚠ Failure to follow these loading instructions may result in sway or **WHIPPING** and lead to total loss of control.

⚠ NEVER unhook the trailer or loosen the coupler before loading or unloading.

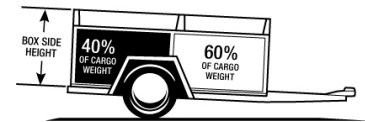
VAN TRAILERS

Load your trailer with at least 60% of the cargo weight in the front half of the trailer. Do this by loading the heaviest items first (such as appliances, toolboxes, boxes of books, etc.) in the front of the trailer, then load your lighter items near the top and to the rear. The centerline of the trailer box is marked on the inside of the trailer. Pack all items closely and firmly and secure with rope to the tie-downs in the trailer. This will place the proper amount of weight on the hitch (tongue weight). If the trailer is not completely full, secure the load with rope to the trailer tie-downs. This will prevent the load from shifting or damaging your belongings. Be sure the cargo door is closed and latched securely.



OPEN TRAILERS

Load heavier in the front of the box (60% of the cargo weight). When loading an open trailer, follow the same instructions as outlined when loading a van trailer, except **DO NOT** load small goods above the height of the trailer box side. Secure your cargo using the tie-downs on the trailer or the top rail and rail supports. Cargo not properly secured may shift, be damaged or be ejected under normal driving conditions.



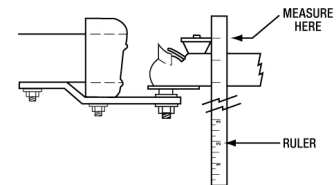
Secure your load, it's the law. A U-Haul representative can advise you on the products available to secure and protect your goods.

TONGUE WEIGHT

This guideline is to help you make sure the trailer is loaded properly by checking the tongue weight. **DO NOT** disconnect the trailer to do the following.

Step 1: With the tow vehicle and trailer *empty*, and the trailer attached to your tow vehicle, measure the distance from the ground to the top of the trailer coupler handwheel.

Step 2: With the trailer *fully loaded* and the tow vehicle *empty*, measure the distance from the ground to the top of the trailer coupler handwheel.



Step 3: Subtract the answer in Step 2 from the answer in Step 1. (Answer 1 – Answer 2)

If your answer in Step 3 is greater than or equal to 1 inch, your trailer has enough tongue weight. If your answer is less than 1 inch, it is recommended that you reload your trailer, and put more weight in the front of the trailer. An answer less than 1-inch can cause sway or **WHIPPING**.

Take your combination for a short test-drive. If you feel the combination is not handling properly, reload your trailer. If you are not sure the trailer is properly loaded, call the U-Haul Hotline at **1-800-528-0355** or take your combination to the nearest U-Haul location and ask if your trailer is properly loaded.

DO NOT OVERLOAD

U-Haul trailers are designed to move household-type goods. Commercial loads (such as wood, food products, machinery, etc.) are heavier than household goods. **DO NOT** load the trailer more than one-third full if you intend to move these items. Sand, dirt and gravel are even heavier, and require that you **DO NOT** load more than a maximum of four inches above the trailer floor.

Every U-Haul trailer has an empty and maximum gross (fully loaded) weight labeled on the inside of the trailer at the front. Never load the trailer so that it exceeds this maximum gross weight. Your rental contract may list a lower allowed gross trailer weight and allowed cargo weight, based on your specific tow vehicle, never exceed these weights. If in doubt, check the weight at a commercial or state scale. (See the Yellow Pages under "Scales, Public.")

HAZARDOUS MATERIALS

⚠ **DO NOT** transport hazardous materials, corrosives, explosives or flammables such as gasoline or paint thinner. A container that is almost empty is just as dangerous as a full one. Flammables may explode or ignite through spontaneous combustion from vehicle movement.

⚠ Empty and air out the tanks on lawn mowers, camping stoves and lanterns before loading.

⚠ Propane tanks cannot be transported unless they are standing upright and secured.

⚠ **NEVER** fill a portable fuel container **IN** or **ON** the trailer. Set tanks on the ground to fill to avoid static electricity and prevent sparks.

Securely close and properly package household cleaning products.

TOWING

REDUCE SPEED

⚠ Slow down for curves, adverse weather, hazardous road conditions, road construction and expressway exits. Do not feel secure because your trailer tows easily at higher speeds. A road hazard that could be avoided at **55 mph**, may become unavoidable at a higher speed.

⚠ When driving at a lower speed you are less likely to lose control of any vehicle, than when driving at a higher speed. Excessive speed is a major cause of accidents.

⚠ U-Haul does not recommend using cruise control or overdrive when towing a trailer.

STOPPING AND FOLLOWING DISTANCE

Your combination is heavier and longer than your vehicle alone. This means it will take you longer to stop.

⚠ Allow at least 4 seconds between you and the vehicle in front of you. Start counting when the back of the vehicle in front of you passes a fixed object, such as a line or crack on the road. If the front of your vehicle reaches the object before the end of the 4 seconds, increase your distance.

⚠ If you are driving in adverse weather, such as rain, snow, or fog, use at least a 5 second gap.

WHIPPING

⚠ Whipping is violent and uncontrollable sway caused by loading a trailer heavier in the rear half.

Persistent side to side sway motion is not normal. If this occurs at a certain speed, it is a signal that **WHIPPING** will likely occur if speed is increased by a small amount. If you notice this behavior immediately slow down and maintain at least 10 mph below the speed this sway was first noticed. Then stop at the first opportunity and reload the trailer heavier in the front half to correct this problem. See next section.

COMBINATION DISTURBANCES

⚠ A "combination disturbance" is improper handling, whipping, sway, over-steering or other deviation of the tow vehicle or trailer from their intended path, due to one or more causes (improper loading, steering inputs, excessive speed, cross winds, passing vehicles, rough roads, etc).

IF A COMBINATION DISTURBANCE OCCURS:

⚠ Let off the gas pedal. **NEVER** speed up to try to control a combination disturbance.

⚠ **DO NOT** apply your brakes.

⚠ **HOLD THE STEERING WHEEL** in a straight-ahead position. **DO NOT** try to control the combination disturbance by turning the steering wheel.

AFTER A COMBINATION DISTURBANCE HAS STOPPED:

⚠ Pull a safe distance off the roadway and stop. Get all occupants out of the vehicle and away from the roadway.

⚠ Check the cargo in the trailer to make sure the load has not shifted. Make sure the trailer is loaded heavier in front.

⚠ Check that all the tires are properly inflated and that all lug nuts are tight.

⚠ Check the trunk or rear cargo area of the towing vehicle to make sure it is not overloaded.

⚠ **REDUCE SPEED to 55 mph or LESS.** Combination disturbances happen most often at higher speeds.

If the combination disturbance persists, contact the nearest U-Haul representative and have them inspect or exchange the trailer. If the combination disturbance still occurs, something is wrong with your tow vehicle.

PASSING

⚠ Your combination is heavier and longer than your tow vehicle alone, and will require more time and distance to pass.

⚠ Passing by another vehicle in the same or opposite direction can result in a combination disturbance. See the Combination Disturbances Section for what to do if this happens.

HILLS

⚠ **SLOW DOWN BEFORE** starting down hill. Shift into lower gear and let off the gas pedal, this allows the engine to help you control your speed. Combination disturbances happen more frequently going downhill and at higher speeds.

⚠ **DO NOT** ride the brake pedal going downhill. Prolonged use of your brakes results in overheating and possible loss of braking. When you need to slow down, apply the brake pedal and slow down below the intended speed. Then let off the brake pedal completely. Repeat as needed.

Shift into lower gear to prevent your tow vehicle from jerking due to engine lugging when traveling up hills. This will improve gas mileage and reduce engine overheating.

ROAD SHOULDERS

If a wheel goes off the paved roadway:

⚠ **DO NOT** turn the steering wheel sharply.

⚠ **DO NOT** apply your brakes.

⚠ Let off the gas pedal and slow down below 25 mph. Then steer gradually back on the roadway. Proceed with caution entering traffic.

Sometimes the trailer is wider than the tow vehicle. Allow for this by driving in the center of your lane.

BACKING UP

Keep your hand at the bottom of the steering wheel. To move the trailer left, move your hand left. To move the trailer right, move your hand right. If your combination starts to jackknife, or isn't headed where you want it, **STOP**. Pull forward to straighten out, then start again.

⚠ Get help to watch as you are backing. If you cannot get help, exit your vehicle and make sure there are no people or obstructions in the way.

BREAKDOWNS

Immediately park your combination in a safe place, completely off the roadway. Turn on your emergency flashers. Get all occupants out of the vehicle and away from the roadway.

If you must continue on the roadway to reach a safe place off the road, turn on your emergency flashers and proceed with caution.

If necessary, drive on a flat tire to reach a safe place completely off the roadway. Drive slowly.

If the trailer's mechanical problem is minor and the combination can be safely driven, proceed to the nearest U-Haul location or call the U-Haul Hotline at **1-800-528-0355**.

If the mechanical problem is major or if the trailer is inoperable or cannot be driven safely, call the U-Haul Hotline at **1-800-528-0355**. Be prepared to give your exact location and a callback telephone number. Have your contract with you when you call. The Hotline will have a U-Haul representative contact you and do whatever is necessary.

ACCIDENTS

In case of an accident, get everyone out of the vehicle and completely off the roadway. Call an ambulance if anyone is injured. Notify the police as soon as possible and then call the U-Haul Hotline.

TOWING CHECKLIST

BEFORE TOWING

- Towing hitch and hitch ball are tight.
- Coupler handwheel is tight.
- Safety chains are properly attached and secure.
- All lights are connected and working.
- Check all tires for correct pressure.
- Load trailer heavier in front.

BEFORE DRIVING

- Fasten seatbelts.
- Adjust mirrors.

ON THE ROAD

- Reduce speed to **55 mph** or below.
- Stop often for rest.
- Inspect your vehicle and trailer connections at each stop.
- Anticipate stops; brake early.

REMEMBER - CRASHES ARE CAUSED BY

- Driver error or Inattention.
- Excessive speed.
- Failure to load the trailer heavier in front.

YOU SHOULD ALWAYS

- **LOAD TRAILER HEAVIER IN FRONT**
- **REDUCE YOUR NORMAL DRIVING SPEED**
- **WEAR YOUR SEATBELT**